## In the Claims:

For the convenience of the Examiner, all claims, including those not changed by the present amendment, have been included.

- 1. (original) In a fluid/liquid storage tank with a sidewall and a floating roof floating atop the fluid/liquid, an improved grounding system comprising:
  - a reel connected to the sidewall; and said reel having a low impedance conductor connected to the floating roof.
- 2. (original) The improvement of claim 1, wherein the reel further comprises a take up spool which keeps any slack out of the conductor and maintains a shortest fractional length.
- 3. (original) The improvement of claim 2, wherein the take up spool further comprises a spring.
- 4. (original) The improvement of claim 1, wherein the wire further comprises a bare braided copper cable.
- 5. (original) The improvement of claim 1, wherein the reel further comprises a base having bolts secured to the tank wall.
- 6. (original) The improvement of claim 4, wherein the bare braided copper cable further comprises a lug having a bolt secured to the floating roof.
- 7. (original) The improvement of claim 6, wherein the impedance of the lug and bolt, plus the braided copper cable plus the reel is about one ohm or less.

8. (original) A grounding system for a storage tank having a floating roof, said grounding system comprising:

a wire having an end connected to the floating roof; said wire having a second end wound around a spool in a reel; said reel having a grounded connection to a wall segment of the tank; and said wire having a low impedance.

- 9. (original) The grounding system of claim 8, wherein the wire further comprises a flat braided copper conductor.
- 10. (original) The grounding system of claim 9, wherein the spool further comprises a take up mechanism to minimize slack in the conductor.
- 11. (original) The grounding system of claim 10, wherein the total impedance of the system is about five ohms or less.
- 12. (original) A grounding system for a tank with a floating roof, said grounding system comprising:

means for taking slack out of a cable connected from a floating roof to an upper segment of a tank wall, and thereby maintaining a minimum length; and said cable having a low impedance.

- 13. (currently amended) The grounding system of claim 1112, wherein the means of taking slack out further comprises a reel having a take up spool.
- 14. (original) The grounding system of claim 13, wherein the take up spool further comprises a spring functioning to constantly pull up on the cable.

- 15. (original) The grounding system of claim 13, wherein the cable further comprises a braided conductor.
- 16. (original) The grounding system of claim 15, wherein the system has a total impedance of about five ohms or less.
- 17. (original) The grounding system of claim 15, wherein the braided conductor has a bolt connection to the floating roof, and the reel has a base with a bolt connection to the tank wall.
- 18. (previously presented) In a fluid/liquid storage tank with a sidewall and a floating roof floating atop the fluid/liquid, an improved grounding system comprising:

a reel connectable to the sidewall; and said reel having a low impedance conductor connectable to the floating roof.

- 19. (previously presented) The improvement of claim 18, wherein the reel further comprises a take up spool which keeps any slack out of the conductor and maintains a shortest fractional length.
- 20. (previously presented) The improvement of claim 19, wherein the take up spool further comprises a spring.
- 21. (previously presented) The improvement of claim 18, wherein the wire further comprises a bare braided copper cable.

- 22. (previously presented) The improvement of claim 18, wherein the reel further comprises a base having bolts secured to the tank wall.
- 23. (previously presented) The improvement of claim 21, wherein the bare braided copper cable further comprises a lug having a bolt secured to the floating roof.
- 24. (previously presented) The improvement of claim 23, wherein the impedance of the lug and bolt, plus the braided copper cable plus the reel is about one ohm or less.
- 25. (new) The apparatus of claim 1 further comprising a plurality of said reels and low impedance conductors connected to the sidewall.
- 26. (new) The apparatus of claim 8 further comprising a plurality of said reels and wires.
- 27. (new) The apparatus of claim 12 further comprising a plurality of said means for taking slack out of a cable.
- 28. (new) The apparatus of claim 18 further comprising a plurality of said reels.